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184" CYCLOTRON
HALF-LIFE MEASUREMENTS ON DEE

by

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184" CYCLOTRON HALF-LIFE MEASUREMENTS ON DEE

By Alice Dodson

Experiment done by: W. Stephan, W. Chupp, W. Grimshaw, A. Reyenga, F. Yeater,
A. Oliver, R. Dufour, J. Vale, R. Watt, and L. Houser

INTRODUCTION

These experiments were performed to determine the half-life of the active portion of the Dee.

EXPERIMENTAL SETUP

Curve Number 1 measurements were made on Zeus ML 41345 on February 10 and 11, 1947. Curve Number 2 measurements were made on Zeus ML 41394 on February 18, 1947. Measurements were started about 7 hours after operation ceased. See sketch for location of Zeus (Figure 1).

RESULTS

The half-life of this material is approximately 7 hours. (See graph.)

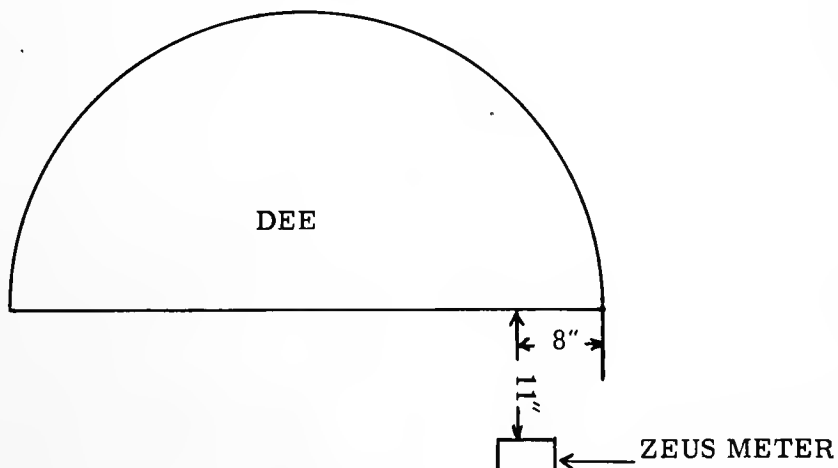


Figure 1

Half-Life Measurements on Dee

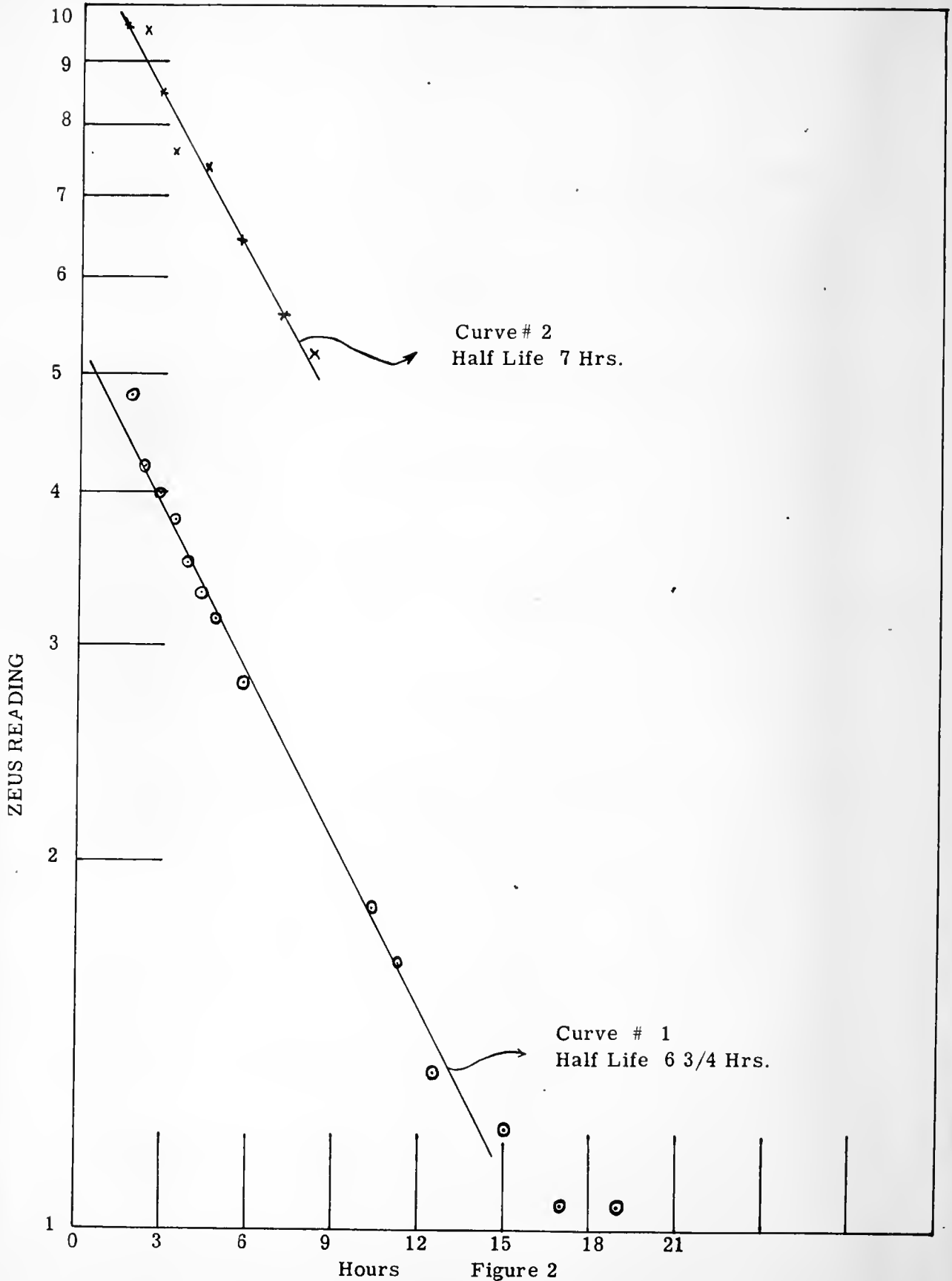


Figure 2

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